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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-9. (canceled).

10. (currently amended): A ready-for-use low-carbon steel mechanical component with elevated characteristics obtained by cold plastic transformation of a laminated long steel product, wherein the composition of said steel, percentages by weight, based on the iron is:

$$0.10 \leq C \leq 0.15\%$$

$$0.04\% \leq Nb \leq 0.10\%$$

$$0.001\% \leq B \leq 0.005\%$$

$$0.15\% \leq Mo \leq 0.35\%$$

$$1.3\% \leq Mn \leq 2.0\%$$

$$0.15\% \leq Si \leq 1.30\%$$

$$0.01\% \leq Al \leq 0.08\%$$

$$N \leq 0.015\% \text{ with } Ti \geq 3.5 \times \% N;$$

the remaining being iron and unavoidable residual impurities that result from the steel process,

wherein said long product being obtained from a semi-finished product from continuous casting and hot-rolled in the austenitic range into a wire or rod, then treated thermally by cooling directly during its hot rolling at a cooling rate sufficient to provide it with a bainitic or essentially bainitic structure, and